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**REMARKS** 

Reconsideration of the pending application is respectfully requested on the basis of

the following particulars:

In the drawings

Revised Fig. 6 is shown in the "Replacement Sheet" of drawing appended

herewith. Fig. 6 has been revised to include a reference number 817 indicating the

curvilinear bottom end 817 of the tubular member, and a reference number 511 indicating

the bottom section aperture 511 defined in the curvilinear bottom end 817 of the tubular

member.

Objections to the specification

The specification is presently objected to. In particular, the examiner notes that the

title of the invention is not descriptive. The title has been changed according to the

examiner's suggestion. Accordingly, withdrawal of the objection is requested.

The specification is further amended in the interest of improved clarity, and for

consistency with the presently amended claims. Also, the specification is amended to

refer to the reference number 817 added to Fig. 6. No new matter is added.

Rejection of claims 1-6 under 35 U.S.C. § 112, second paragraph

Claims 1-6 presently stand rejected as being indefinite. Applicant appreciates the

examiner's identification of numerous phrases that render the claims vague, indefinite or

awkwardly worded.

Claims 1-6 are amended to more clearly express the present invention consistently

with the specification and figures. Applicant has attempted to address each of the terms or

phrases identified by the examiner, in most cases by either adopting the examiner's

suggested language or be eliminating the term or phrases.

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Amended claim 1 sets forth a method comprising the steps of providing a tubular

member of an appropriate length, forming a curvilinear bottom end of the tubular member

to define a bottom section aperture, forming a neck base and a neck body at a top end of

the tubular member, and forming an outer conoidal hem and an inner conoidal hem on the

tubular member proximate to the neck base.

Referring to the specification as amended, it can be understood that the

"semifinished product" recited in claim 1 and the subsequent claims simply refer to

intermediate forms (or intermediate products) of the tubular member. However, in the

interest of clarity, the semifinished and finished product references have been eliminated

from the claims and reference is simply made to forming the various recited elements of

the tubular member.

Applicant notes that the specification has been amended to clarify that the tubular

member is formed into the various "semifinished" and "finished" products as can be

clearly understood with reference to both the original specification and the original

figures.

Claim 4 is amended to further identify the female dies as a first female die, a

second female die, and so forth to avoid confusion in the dependent claims (and

particularly in claim 5) which refer back to a particular female die.

In view of the amended claims, it is respectfully submitted that claims 1-6 are

sufficiently clear and definite to particularly point out and distinctly claim the present

invention. Accordingly, withdrawal of the rejection is requested.

Rejection of claims 1-3 under 35 U.S.C. § 102(b)

Claims 1-3 presently stand rejected as being anticipated by O'Connell et al (U.S.

5,743,646). This rejection is respectfully traversed for at least the following reasons.

According to the present invention (as set forth generally by both claims 1 and 4),

a tubular member is provided with a curvilinear bottom end defining a bottom section

aperture. A neck base and a neck body are formed at a top end of the tubular member, and

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an outer conoidal hem and an inner conoidal hem are formed on the tubular member

proximate to the neck base.

It is respectfully submitted that O'Connell fails to disclose or suggest all of the

elements set forth in claim 1 (and claim 4), and therefore O'Connell cannot be construed

to disclose or suggest a method that includes steps of forming each of these features.

O'Connell discloses a hollow tube 58 having a closed end 62. While the closed

end 62 is round (curvilinear), there is no teaching or suggestion of a curvilinear bottom

end defining a bottom section aperture since O'Connell teaches a closed end 62.

Referring to O'Connell's figure, the hollow tube 58 is entirely cylindrical except

for the rounded bottom. Accordingly, O'Connell's hollow tube 58 lacks the neck base, the

neck body, and the conoidal hems, and therefore lacks any teaching or suggestion of the

steps of forming these elements as required by the claims.

While the examiner refers to O'Connell's elements 12 and 14 as the claimed neck

base and neck body, and O'Connell's element 36 as the claimed conoidal hems, it must be

noted and appreciated that none of O'Connell's elements 12, 14, and 36 are part of (or

even formed on) the hollow tube 58.

O'Connell's housing 12 cannot itself be considered as a temperature sensing tube

formed according to the claimed method. Further, there is no teaching or suggestion of the

housing 12 having a curvilinear bottom end defining a bottom section aperture, and

accordingly there is no teaching or suggestion of a fabrication step of the housing 12

wherein a curvilinear bottom end of a tubular member is formed to define a bottom section

aperture.

Moreover, it is respectfully submitted that O'Connell's threads 36 cannot be

construed as the claimed inner and outer conoidal hems. The term "hem" is defined by the

Merriam Webster Online Dictionary (http://www.merriam-webster.com), as:

1: a border of a cloth article doubled back and stitched down

2: RIM, MARGIN.

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Referring to Figs. 3, 4, and 10 of the present application, it can be seen that the

inner outer conoidal hems 42, 41 correspond to this definition in that they comprise

portions of the tubular member that are doubled back on one another to form a conoidal

rim about the tubular member.

The term "conoidal" simply means cone-shaped or cone-like. Again referring to

Figs. 3, 4, and 10 of the present application, the cone-like shape of the conoidal hems 42,

41 (and the rim that they form together) is readily apparent.

O'Connell provides no teaching or suggestion of any structure corresponding to the

claimed conoidal hems of the present invention. O'Connell's threads 36 are not a "hem"

and would not be so construed by persons of ordinary skill in the art as such.

For at least these reasons, it is respectfully submitted that O'Connell does not

disclose or suggest each and every element as set forth in claim 1. Therefore, it is

respectfully submitted that claim 1, along with claims 2 and 3 which depend from claim 1,

are allowable over the cited references, and withdrawal of the rejection is requested.

Claims 4-6

The examiner has noted that no art rejections have been applied to claims 4-6, in

view of the indefiniteness issues discussed above. It is respectfully submitted that, as

discussed above, the indefiniteness issues with respect to claims 4-6 have been overcome.

Further, applicant notes that claims 4-6 refer not only to the elements of the

temperature sensing tube referenced in claim 1, but additionally refer to particular female

and punching dies used to form the particular elements of the temperature sensing tube

(also, thereby, reciting in particular that the tubular member is formed into the temperature

sensing tube by a die forming process).

It is respectfully submitted that claims 4-6 set forth a process that is novel and non-

obvious, and therefore claims 4-6 are allowable.

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## Conclusion

In view of the amendments to the claims, and in further view of the foregoing remarks, it is respectfully submitted that the application is in condition for allowance. Accordingly, it is requested that claims 1-6 be allowed and the application be passed to issue.

If any issues remain that may be resolved by a telephone or facsimile communication with the Applicant's attorney, the Examiner is invited to contact the undersigned at the numbers shown.

Respectfully submitted,

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